



October 22, 2014

U.S. EPA, Region 9  
NPDES/DMR, ENF-4-1  
75 Hawthorne Street  
San Francisco, CA 94105-3901

Attention: Mr. Jared Blumenfeld

**Re: Discharge Monitoring Report – Third Quarter 2014 Platforms Ellen, Elly, and Eureka  
NPDES Permit CAG280000**

Dear Mr. Blumenfeld:

This letter and its attachments include Discharge Monitoring Reports (DMRs) for the reporting period of July, August, and September 2014 for Beta Offshore Platforms Ellen, Elly and Eureka.

All produced fluids from Platform Eureka are piped to Platform Elly for processing. Platforms Elly and Ellen are two separate platforms attached by a bridge, thus they have the same latitude and longitude listed in their DMRs. We have submitted separate DMRs for each of the three platforms since there are separate NPDES discharges associated with each platform. Oil production wells are located at Platforms Ellen and Eureka. Platform Elly serves as a processing facility and contains most of the production treatment processes. This is the only platform that may occasionally discharge produced water. There are no drilling related activities or wells on Platform Elly. Production fluids generated at Ellen and Eureka are sent to Elly for further processing and back to Ellen for injection.

Attachment 1: EPA DMR forms (3320-1) for Eureka, Elly and Ellen.

Attachment 2: Attachment 2 are listings of the chemical inventory for miscellaneous discharges (specifically non-contact cooling water) for each platform.

Attachment 3: Provides pre-dilution and post dilution chlorine results for non-contact cooling water discharges in accordance with Appendix C of the permit.

Attachment 4: Includes copies of the official state certified lab reports and laboratory quality control reports and other permit required information (EPA Methods, sample dates, etc.) for each Platform.

## Discharge Overview

### Drilling Muds and Cuttings (001):

On Platform Ellen drilling activities took place with Well A-21 during the months of June and July 2014 and the well was completed on July 25, 2014. Drilling activities also took place with Well A-49 during the months of August and September and the well was completed on September 13, 2014. There were no drilling discharges associated with these wells. As required in the permit, the results of the drilling monitoring activities are included within the DMR reporting period occurring at least 45 days after the completion of the well.

### Produced Water (002):

Produced water dilution – Platform Elly: On rare occasions when produced water is discharged, often times the discharge may only occur for a few hours or less. In calculating the dilution for each quarter, we use the average produced water daily rate based on the actual barrels of water per day "rate". As an example, if 100 barrels were discharged in one hour, the actual rate would extrapolate to a 2400 barrels of water per day (BWD) "rate", instead of only 100 BWD. This better represents the flow velocity used in the EPA Plume dilution calculation. A dilution of 2160:1 was calculated for the quarter.

On July 30, Platform Elly discharged 50 barrels of produced water in a short period of time due to a sudden shut down of the injection system. The discharge was stopped before the operator could collect an oil and grease sample. Subsequent to the discharge, a 4-sample composite was taken. The water sampled was representative of the discharged water. The oil and grease result of 30.3 mg/l was slightly over the Monthly Average limit of 29 mg/l, but since only one daily sample was taken during the month, we were unable to produce a monthly average using multiple samples. The result was well under the Daily Maximum limit of 42 mg/l. EPA was notified on August 11. We did not treat this as an exceedance in the DMR. At no time did we expect there to be any threat to human health or the environment.

### Well Treatment Completion and Workover Fluids (003):

WTCWF generated from Platform Ellen or Eureka would be commingled with the produced water at Platform Elly/Ellen. There were 2 well treatment, completion and workover fluid type jobs performed during this quarter at Platform Ellen. There was no discharge of fluids. A chemical inventory is available on request.

### Deck Drains (004):

Platform Ellen's deck drains are commingled with production and sent to Platform Elly. Platform Elly's deck drain volumes are commingled with production at Elly and injected with produced water at Ellen (refer to produced water monitoring requirements in the DMR if discharged). Deck drains on Platform Eureka are sent to a disposal well on Eureka and not discharged.

### Sanitary and Domestic Waste (005):

Platforms Ellen and Eureka both operate a United States Coast Guard approved Marine Sanitation Device (MSD). Although these devices are capable of treating both sanitary and domestic waste, some of the domestic waste (as laundry water) is not discharged. At Platform Ellen, these domestic waste water volumes are commingled with production and sent to Platform Elly/Ellen for injection with produced water. The sanitary waste commingles with sinks and shower water and is properly treated and chlorinated through the MSD discharged at Platform Ellen.

Platform Eureka also has sanitary and domestic waste water discharges (refer to the DMR). Domestic waste water (as laundry water) is sent to a disposal well and not discharged at Eureka. Sanitary wastes are treated through a USCG-approved MSD and discharged at Eureka. There are no sanitary/domestic waste discharges at Platform Elly.

The required annual Marine Sanitation Device (MSD) inspections were completed on May 25, 2014 at Platforms Ellen and Eureka. The inspections included a chlorine test to ensure proper operation and chlorine results are included in the DMRs. The MSDs are in good condition and operating properly. Full inspection reports are available upon request (there were no exceedances).

Fire water (008):

Fire water at Platforms Ellen and Elly are commingled with deck drains and injected with produced water at Platform Ellen. The fire water and deck drain volumes at Platform Eureka are sent to a disposal well and are not discharged. The fire water was reported as not being chlorinated at all three platforms.

Non-contact Cooling Water (009) - Combined with Excess Sea Water:

Non-contact cooling water (as sea water) can be discharged at all three platforms. Separate discharges occur through separate outfalls for each of the three platforms. Seawater pumps deliver water throughout the platforms for use as non-contact cooling water, marine sanitation device feed water and for sanitary usage supply. Any excess seawater not used for these sources has been previously reported under uncontaminated water in the DMRs under a separate discharge (016). When the non-contact cooling water is discharged it can be combined with the excess seawater discharges at Eureka and Ellen. Since the platforms add low dosages of chlorine treatment to this part of the system, chlorine monitoring has been performed on the chlorinated discharges and if applicable, includes excess seawater in addition to the non-contact cooling water. Thus, the DMR reports the total water discharged for both sources (non-contact cooling water and excess seawater). Both volumes and chlorine results for the combined discharges are listed in the DMR under non-contact cooling water for Eureka and Ellen. Elly has only non-contact cooling water. Any separate uncontaminated discharges that occur, will continue to be reported independently under discharge (016) in the DMR.

Permit limits for chlorine applicable to the non-contact cooling water were released in the March 2014 permit modification. The new required quarterly sampling is included in the DMR. The chemical inventory for non-contact cooling water (Attachment 2) was based on Operations' daily estimates using a Hach color wheel chlorine test kit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. & 1001 and 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

Mr. Blumenfeld  
October 22, 2014  
Page 4 of 4

Should you have any questions or require any additional information, please contact me at (562) 628-1526.

Sincerely,



Marina Robertson  
HSE Manager

cc (via email):

Ms. Susan Zaleski  
Mr. James Salmons  
Bureau of Safety and Environmental  
Enforcement  
770 Paseo Camarillo  
Camarillo, CA 93010-6064

Ms. Alison Dettmer  
Manager, Energy and Ocean Resources Unit  
California Coastal Commission  
45 Fremont, Suite 2000  
San Francisco, CA 94105-2219

Platform Elly

Attachment 1

EPA DMR  
PERMIT NO. CAG280000

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**WELL DISCHARGE MONITORING REPORT (Well DMR)**

CAG280000	001
PERMIT NO.	

DISCHARGE NO.
---------------

Approved Form  
OMB No. 2000-0015

**DRILLING FLUIDS AND DRILL CUTTINGS (001)**

Beta Platform Elly  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

MONITORING PERIOD			
YR	MO	DAY	YR
From: 14 07 01	To: 14 09 30		

No Discharge

Approved Form  
OMB No. 2000-0015

**DRILLING FLUIDS AND DRILL CUTTINGS (001)**

NOTE: Read Instructions before completing this form.  
NOTE: Read Instructions before completing this form.

PARAMETER	Quantity or Loading				Quality or Concentration	NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Minimum				
DRILLING FLUIDS VOLUME Well # N/A	Sample Measurement	No Discharge	Barrels/ Well					
	Permit Requirement	Report						
DRILLING FLUIDS VOLUME Quarterly Total Well # N/A	Sample Measurement	No Discharge	Barrels/ Quarter					
	Permit Requirement	Report						
DRILLING FLUIDS Annual Cumulative Volume Limit <sup>1</sup>	Sample Measurement	0	Barrels/ Year					
03/03/2014 - 05/28/2014	Permit Requirement	49950*						
DRILL CUTTINGS VOLUME Well # N/A	Sample Measurement	No Discharge	Barrels/ Well					
	Permit Requirement	Report						
DRILL CUTTINGS VOLUME Quarterly Total	Sample Measurement	0	Barrels/ Quarter					
	Permit Requirement	Report						
DRILLING FLUIDS Annual Cumulative Volume Limit <sup>1</sup>	Sample Measurement	0	Barrels/ Year					
03/03/2014 - 05/28/2014	Permit Requirement	18,150*						
DRILL FLUIDS/CUTTINGS Free Oil	Sample Measurement				No Discharge	# Days Sheen Observed		
	Permit Requirement				Negative Static Sheen Test/Free Oil	1/well 1/day	Visual Visual	
NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 16 U.S.C. § 1011 AND 33 U.S.C. § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)							
Jim Guion Executive Vice President, Chief Operating Officer	 (562) 628-1526							
TYPED OR PRINTED	Marina Robertson, HSE Manager Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT Area Code Number							
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)	MONTH/DAY/YEAR							

There are no wells or drilling activities at Platform Elly.

<sup>1</sup> Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015.

\* The total annual cumulative volume limit is a combined limit of drilling fluid volumes from both Platforms Ellen and Elly, as listed in the permit.

(Replaces EFS Form T-40 which may not be used.)



Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

# **DISCHARGE MONITORING REPORT (DMR)**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

CAG280000  
PERMIT NO.

DISCHARGE NO.  
002

Beta Platform Elly  
LOCATION: 33° 35' .0255" LAT., 118° 07' 37.52" LONG.

**PRODUCED WATER (002)**  
(commingled with Platform Eureka & Ellen)

### No Discharge

Approved Form  
OMB No. 2000-0015

MONITORING BEBIDA

MONITORING PERIOD					
	YR	MO	DAY	YR	MO
From:	14	07	01	To:	14 09 20

**COMMENT AND EXPLANATION OF ANY VIOLATION** (Reference all attachments here.)

days of discharge (not on the number of days in each

March 2014 through February 2015.

\* The total annual cumulative volume limit is a combined limit of produced water and oil. EDA Form 2220-1 (DRAFT) 09/01/2012

ka as listed in the I

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Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

# DISCHARGE MONITORING REPORT (DMR)

CAG280000	PERMIT NO.
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002	DISCHARGE NO.
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Beta Platform Elly  
LOCATION: 33° 35' .025" LAT.. 118° 07' 37.52" LONG.

Beta Platform Elly  
LOCATION: 33° 35' .025" LAT.. 118° 07' 37.52" LONG

# **DISCHARGE MONITORING REPORT**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Approved Form  
OMB No. 2000-0015

PRODUCED WATER (002)  
Enforceable limits

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14-07-01			To: 14-09-30		

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

1 Oil and grease sampling is weekly during discharge

2-  
All areas sampled is weekly during summer

- There is no limit for zinc in the permit, Appendix B.

Results showing NOD(B): below MDL. The maximum value of the analytical result is less than the laboratory's MDL (below detection level).

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000
PERMIT NO.

003
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

Beta Platform Elly  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

MONITORING PERIOD			
YR	MO	DAY	YR MO DAY
From: 14 07 01		To: 14 09 30	

NOTE: Read instructions before completing this form.

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency	Sample Analysis	Sample Type
	Average	Maximum	Units	Minimum	Average	Maximum				
<b>WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , FLOW</b>										
July	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
August	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
September	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
<b>WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , OIL AND GREASE</b>										
July	Sample Measurement			N / A	N / A					
	Permit Requirement			29.0	42.0					
August	Sample Measurement			N / A	N / A					
	Permit Requirement			29.0	42.0					
September	Sample Measurement			N / A	N / A					
	Permit Requirement			29.0	42.0					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										
CERTIFY UNDER PENALTY OF PERIOD THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 31 U.S.C. § 1101 AND 30 U.S.C. § 316 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)										
TYPED OR PRINTED										
M. R. Guion Executive Vice President, Chief Operating Officer										
Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT										
(562) 628-1526 Marina Robertson, HSE Manager										
Area Code Number MONTH/DAY/YEAR										
<b>COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)</b>										

\* When present, all WTCWF are commingled with production and sent to Platform Elly (refer to Pit Elly DMR).

N / A: No WTCF discharged during this DMR period.

No Discharge

WELL TREATMENT, COMPLETION  
AND WORKOVER FLUIDS (003)

(commingled with produced water at Pit Elly)

NOTE: Read instructions before completing this form.

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

003  
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

Beta Platform Ely  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

**WELL TREATMENT, COMPLETION  
AND WORKOVER FLUIDS (003)**  
(commingled with produced water at Pit Ely)

NOTE: Read instructions before completing this form.

MONITORING PERIOD			
YR	MO	DAY	YR
From: 14	07	01	To: 14 09 30

PARAMETER	Quantity or Loading				Quality or Concentration	NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Minimum				
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , 1 July - September	Sample Measurement Permit Requirement	No Discharge Report	Number of jobs	Average	Maximum	Units		
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , STATIC SHEEN July - September	Sample Measurement Permit Requirement			N / A	Negative Static Sheen Test - # Times observed:None	# Times Sheen Observed	1/discharge	Grab
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS Chemical Inventory July - September	Sample Measurement Permit Requirement			N / A	Report	1/month	List	DATE
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 31 U.S.C. § 101 AND 33 U.S.C. § 316 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)							
Jim Guijon Executive Vice President, Chief Operating Officer	 M. Guijon Marina Robertson, HSE Manager							
TYPED OR PRINTED	Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT Area Code Number MONTH/DAY/YEAR							
COMMENT AND EXPLANATION OF ANY VIOLATION	(Reference all attachments here.)							

<sup>1</sup> When present, all WTCWF are commingled with production and sent to Platform Ely (refer to Pit Ely DMR). (Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

004  
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

Beta Platform Ely  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14	07	01	To: 14	09	30

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency	Sample Type
	Average	Units	Minimum	Average	Maximum	Units			
<b>DECK DRAINAGE VOLUME FLOW</b> (commingled with produced water)	Sample Measurement	N / A	Mo. Avg. bbl/day						
July	Permit Requirement	Report						1/month	Estimate
	Sample Measurement	N / A	Mo. Avg. bbl/day						
August	Permit Requirement	Report						1/month	Estimate
	Sample Measurement	N / A	Mo. Avg. bbl/day						
September	Permit Requirement	Report						1/month	Estimate
<b>DECK DRAINAGE FREE OIL</b>	Sample Measurement	N / A	# Days Sheen Observed	N / A				1/day	Visual - Daylight
July	Permit Requirement	0	No free oil/visual sheen on the receiving water.	N / A					
	Sample Measurement	N / A	# Days Sheen Observed	N / A					
August	Permit Requirement	0	No free oil/visual sheen on the receiving water.	N / A				1/day	Visual - Daylight
	Sample Measurement	N / A	# Days Sheen Observed	N / A					
September	Permit Requirement	0	No free oil/visual sheen on the receiving water.	N / A				1/day	Visual - Daylight
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Jim Guion Executive Vice President, Chief Operating Officer							(562) 628-1526	10 22 2014	
TYPED OR PRINTED							Marina Robertson, HSE Manager	MONTH/DAY/YEAR	
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)							Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Area Code Number	

N / A: Deck drains are commingled with produced water (refer to produced water reporting requirements).

EPA Form 3320-1 (Rev.9-88) Previous editions may be used.

(Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd, Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000	PERMIT NO.
005	DISCHARGE NO.

Beta Platform Elly  
LOCATION: 33° 35' .025"LAT., 118° 07' 37.52"LONG.

No Discharge

Approved Form  
OMB No. 2000-0015

MONITORING PERIOD			
YR	MO	DAY	YR
From: 14 07 01			To: 14 08 30

SANITARY & DOMESTIC WASTES (005)  
(Domestic water commingled with Production)

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type	
	Average	Maximum	Units	Minimum	Average	Maximum				Units
<b>SANITARY WASTES FLOW RATE</b>	Sample Measurement	N / A	Monthly Average bbl/day							
July	Permit Requirement	Report						1/month	Estimate	
	Sample Measurement	N / A	Monthly Average bbl/day							
August	Permit Requirement	Report						1/month	Estimate	
	Sample Measurement	N / A	Monthly Average bbl/day							
<b>SANITARY WASTE FLOATING SOLIDS</b>	Sample Measurement	N / A	# days observed	N / A						
July	Permit Requirement	0	No floating solids in the receiving waters.	N / A				1/day	Visual - Daylight	
	Sample Measurement	N / A	# days observed	N / A						
August	Permit Requirement	0	No floating solids in the receiving waters.	N / A				1/day	Visual - Daylight	
	Sample Measurement	N / A	# days observed	N / A						
September	Permit Requirement	0	No floating solids in the receiving waters.	N / A				1/day	Visual - Daylight	
<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b>	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENT WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND VALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 16 U.S.C. & 1061 AND 33 U.S.C. & 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)								TELEPHONE	DATE
Jim Guijon Executive Vice President, Chief Operating Officer									(562) 628-1526	10 22 2014
TYPED OR PRINTED									Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT	Area Code Number
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									MONTH/DAY/YEAR	

N / A : There are no discharges at Platform Elly. Sanitary volumes are discharged at Platform Elly (refer to Pt. Elly DMR).

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.  
**005**  
DISCHARGE NO.

Beta Platform Ely  
LOCATION: 33° 35' 025"E LAT., 118° 07' 37.52"LONG.

**SANITARY & DOMESTIC WASTES (005)**  
(Domestic water commingled with Production)

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14	07	01	To: 14	09	30

NOTE: Read instructions before completing this form.

PARAMETER	Quantity or Loading				Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Minimum	Average	Maximum	Units			
<b>SANITARY WASTE RESIDUAL CHLORINE</b>	Sample Measurement			N / A	N / A	N / A				
July	Permit Requirement			1 mg/l	N / A	10 mg/l	mg/l			
	Sample Measurement			N / A	N / A	N / A	mg/l	Monthly		Grab
August	Permit Requirement			1 mg/l	N / A	10 mg/l	mg/l			
	Sample Measurement			N / A	N / A	N / A	mg/l	Monthly		Grab
September	Permit Requirement			1 mg/l	N / A	10 mg/l	mg/l			
								Monthly		
<b>DOMESTIC WASTE FLOW RATE</b>	Sample Measurement	N / A		Monthly Average bbl/day						
July - September	Permit Requirement	Report						1/month	Estimate	
<b>DOMESTIC WASTE FOAM &amp; FLOATING SOLIDS</b>	Sample Measurement	N / A		# days observed	N / A					
July - September	Permit Requirement	0		No foam or floating solids in the receiving waters.				1/day	Visual - Daylight	
<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b>	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1011 AND 33 U.S.C. § 1318. PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS.				Telephone		Date			
Jim Guion Executive Vice President, Chief Operating Officer	<i>M. Guion</i> Marina Robertson, HSE Manager				(562) 628-1526		10 22 2014			
TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)				Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT	Area Code	Number	MONTH/DAY/YEAR		

N / A : There are no discharges at Platform Ely. Sanitary volumes are discharged at Platform Ellen (refer to Pit. Ellen DMR).

<sup>1</sup> Domestic water, as laundry, is commingled with produced water and injected (refer to Produced Water). Domestic water from showers and sinks is commingled with sanitary at Platform Ellen (refer to Platform Ellen DMR).

EPA Form 3320-1 (Rev.9-98) Previous editions may be used.

(Replaces EPs Form T-40 which may not be used.)

File: DMR005.xls Pg 9 of 16

No Discharge

Approved Form  
OMB No. 2000-0015

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

008  
DISCHARGE NO.

Beta Platform Ely  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

MONITORING PERIOD				
YR	MO	DAY	YR	MO
From: 14 07 01	To: 14 09 30			

**FIRE CONTROL WATER (008)**  
(Commingle with production)

NOTE: Read instructions before completing this form.

PARAMETER	Quantity or Loading				Quality or Concentration				NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units					
<b>FIRE CONTROL SYSTEM TEST WATER (008) - FOAM FLOATING SOLIDS</b>											
July											
Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.						0	1/day	Visual - Daylight
Permit Requirement	0		No floating solids in the receiving water. No foam in the receiving water.							1/day	Visual - Daylight
August											
Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.						0	1/day	Visual - Daylight
Permit Requirement	0		No floating solids in the receiving water. No foam in the receiving water.							1/day	Visual - Daylight
September											
Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.						0	1/day	Visual - Daylight
Permit Requirement	0		No floating solids in the receiving water. No foam in the receiving water.							1/day	Visual - Daylight
<b>FIRE CONTROL SYSTEM TEST WATER (008) CHLORINE<sub>1</sub></b>											
July - September											
Sample Measurement									N / A	N / A	ug/L
Permit Requirement									N / A	N / A	
Sample Measurement										1/month	Grab
Permit Requirement											
<b>FIRE CONTROL SYSTEM TEST WATER Chemical Inventory<sub>1</sub></b>											
July - September											
Sample Measurement									N / A		ug/L
Permit Requirement										1/month	List
Requirement										1/month	List
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									TELEPHONE	DATE	
Jim Guion Executive Vice President, Chief Operating Officer									(562) 628-1526	10 22 2014	
TYPED OR PRINTED									Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT	MONTH/DAY/YEAR	
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)											

N / A: Fire water is commingled with deck drains and produced water and is injected. Small amounts may be discharged overboard during fire water system testing.  
The firewater is not chlorinated or chemically treated . Refer to produced water discharges.

Violations see 16 U.S.C. § 1067 and 33 U.S.C. § 1316 (Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 2 years)  
EPA Form 3320-1 (Rev.9-88) Previous editions may be used.

Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

# **DISCHARGE MONITORING REPORT (DMR)**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**CAG280000**

DISCHARGE NO.  
009

Beta Platform Elly  
LOCATION: 33° 35' 025" LAT.. 118° 07' 37.52" ONG

NON-CONTACT COOLING WATER (009)

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14-07-04			To: 14-08-20		

## PARAMETER

<sup>1</sup> Non-Contact Cooling water is discharged separately.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(Ren)aces EPS Form T-40 which may not be used)

---

File:DMR006.XLS Pg 11 of 16

Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)**

CAG280000	009	DISCHARGE NO.
PERMIT NO.		

Beta Platform Elly  
LOCATION: 33° 35' 025" LAT. 118° 07' 37 52" ONG

NON-CONTACT COOLING WATER (009)

Approved Form  
OMB No. 2000-0015

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14-02-04					

**COMMENT AND EXPLANATION OF ANY VIOLATION** (Reference all attachments here.)  
<sup>1</sup> Chlorine values reported above are most-dilution per EPA Plumes [IM] Chlorine limits are most-dilution as listed in the normit Annandiv C  
enriched by methanotrophic bacteria

FERA Form 3320-1 (Rev. 0-88) Previous editions may be used.

15 FEBRUARY 1999

Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

## DISCHARGE MONITORING REPORT (DMR)

Long Beach, Ca 90802

Beta Platform Elly  
LOCATION: 33° 35' .025"LAT.. 118° 07' 37.52"LONG

Beta Platform Elly  
LOCATION: 33° 35' .025"LAT., 118° 07' 37.52"LONG

**CAG280000** PERMIT NO.

019	DISCHARGE NO.
-----	---------------

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14	07	01	To: 14	09	30

EXCESS CEMENT SLURRY (019)

Approved Form  
OMB No. 2000-0015

**COMMENT AND EXPLANATION OF ANY VIOLATION** (Reference all attachments here.)  
1. The monthly average flow rates are based on the number of days of discharge (not on the number of days in each month).  
2. Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015. The total annual cumulative volume limit is a combined limit.

of excess cement slurry volumes from both Platfo

on the permit.

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

Beta Platform Elly  
LOCATION: 33° 35' .025" LAT., 118° 07' 37.52" LONG.

CAG280000  
PERMIT NO.

006,007,010,011,012,013,014  
DISCHARGE NO.  
MONITORING PERIOD  
YR MO DAY YR MO DAY  
From: 14 07 01 To: 14 09 30  
Blowout Preventer Fluids  
Desalination Unit  
Ballast/Storage Displacement  
Boiler Blowdown  
Bilge Water  
Test Fluids  
Diatomaceous Earth Filter Media

No Discharge

Blowout Preventer Fluids  
Approved Form  
OMB No. 2000-0015

PARAMETER		Quantity or Loading			Quality or Concentration			NO. EX.	Frequency	Sample Type	
		Average	Maximum	Units	Minimum	Average	Maximum				
(006) Blowout Preventer Fluids FREE OIL, FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement			No Discharge						
(007) Desalination Unit FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.				1/month 1/discharge	Visual Rec. Water	
(010) Ballast/Storage Displacement Wtr FLOW RATE, FREE OIL, FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement	Report		No Discharge						
(011) Bilge Water FLOW FREE OIL, FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement	Report		No Discharge				1/month 1/discharge	Estimate / Visual Daylight	
(012) Boiler Blowdown FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement			No Discharge						
(013) Test Fluids * FLOW RATE FREE OIL, FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement	Report		No Discharge						
(014) Diatomaceous Earth Filter Media FREE OIL, FOAM, FLOATING SOLIDS	July - September	Sample Measurement Permit Requirement			No Discharge						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER					CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE, AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 33 U.S.C. § 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)				TELEPHONE <i>M. Reth</i>	DATE (562) 628-1526	2014
Jim Giulon Executive Vice President, Chief Operating Officer											
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)											
TYPED OR PRINTED											
Marina Robertson, HSE Manager											
Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT											
Area Code											
MONTH/DAY/YEAR Number											

mit  
\* See Chemical Inventory, if discharged.

EPA Form 3320-1 (Rev 9-88) Previous editions may be used.

(Replaces EPS Form T-40 which may not be used.)

File:DMR006.XLS Pg 14 of 16



# Attachment 2

## Chemical Inventory

**ATTACHMENT 2**  
**PLATFORM ELLY**  
**MISCELLANEOUS DISCHARGES**  
**CHEMICAL INVENTORY**  
**July 1, 2014 through September 30, 2014**

<u>Fluid Type</u>	<u>Volume</u> (Monthly avg bbls per day)	<u>Product Name</u>	<u>Estimated Chemical Quantity</u> (Monthly avg gal per day)	<u>Average End-of-Pipe Concentration</u> (mg/l)
009 Non-contact Cooling Water	July 5,143	Chlorine	0.11	0.5
	August 5,143	Chlorine	0.11	0.5
	September 5,143	Chlorine	0.13	0.6
008 Fire Control System Water	N/A	None	None	None
013 Test Fluids	No Discharge	No Discharge	None	None
017 Water Flooding Discharges	No Discharge	No Discharge	None	None
021 Hydrotest Water	No Discharge	No Discharge	None	None

<sup>1</sup>Chemical quantity for non-contact cooling water calculated with Operations daily monitoring results using a non-EPA chlorine test method (Hach DPD Color Wheel). The chlorine concentrations are the same for Elly and Ellen since Ellen's seawater pump supplies the non-contact cooling water to Elly.

N/A: Not chlorinated

# Attachment 3

## Non-Contact Cooling Water Chlorine Residual Results

**ATTACHMENT 3**  
**PLATFORM ELLY**

**NON-CONTACT COOLING WATER CHLORINE RESULTS**

**July 1, 2014 through September 30, 2014**

<u>Discharge</u>	<u>Measurement Frequency</u>	Average <u>Monthly Limit</u> <u>Post Dilution</u> (mg/l)	Maximum Daily Limit <sup>1</sup> <u>Post Dilution</u> (mg/l)	Result <u>Post Dilution</u> (mg/l)	<u>End-of-Pipe Concentration</u> (mg/l)	EPA Plumes <u>Dilution</u>
009 Non-contact Cooling Water Sample Date: 07/29/14	Once/Quarter	0.00585	0.0102	0.0002	0.06	EPA Method 330.5 277:1

<sup>1</sup> Limits are post-dilution as listed in the new permit, Appendix C.

## Attachment 4

### Laboratory reports for NPDES monitoring

Laboratory Quality Control Reports



## LTS ENVIRONMENTAL, INC.

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, Ca 90802

August 13, 2014

**Attn: Marina Robertson**

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	Location	Total Chlorine Residual (EPA Method 330.5) <u>End of Pipe</u>
July 29, 2014 @ 1300 hrs	Platform Elly / Ellen Non-Contact Cooling Water Outlet East Seawater Pump	0.06 mg/l
LTS Meter S/N: 12040E195572 Technician: Cole Jenkins		Method Blank < 0.05 mg/l (MDL)

**S.G. Lawry**  
*Environmental Specialist / LTS*



## LTS ENVIRONMENTAL, INC.

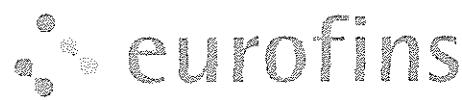
September 8, 2014

### Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental performed a total residual chlorine test with a known value obtained from RT Corporation. Results of this test are as follows:

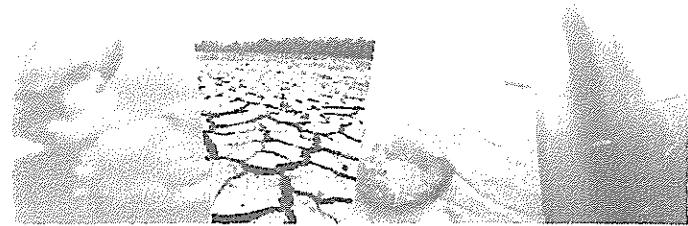
Test Date	Total Residual Chlorine (EPA Method 330.5)
September 5, 2014	
LTS meter (SN 041200088375)	<b>0.57 mg/l</b>
LTS meter (SN 12040E195572)	<b>0.52 mg/l</b>
RT Corporation test sample: (Lot #QC1065-021081)	
Acceptance Limits	<b>0.481 – 0.835 mg/l</b>
Certified Value	<b>0.658 mg/l ± 0.0110</b>
LTS Lead Technician: Mike Apple	Method Blank < 0.05 mg/l

S.G. Lawry  
*Environmental Specialist*  
*President, LTS*



**WORK ORDER NUMBER: 14-07-2120**

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** Beta Offshore

**Client Project Name:** Weekly NPDES Produced Water Monitoring

**Attention:** Marina Robertson  
111 W. Ocean Blvd., Suite 1240  
Long Beach, CA 90802-4633

*Amanda Porter*

---

Approved for release on 08/04/2014 by:  
Amanda Porter  
Project Manager

[ResultLink](#) ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



## Contents

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Work Order Number: 14-07-2120

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## Work Order Narrative

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Work Order: 14-07-2120

Page 1 of 1

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### Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/31/14. They were assigned to Work Order 14-07-2120.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here:  
[http://www.calscience.com/PDF/New\\_York.pdf](http://www.calscience.com/PDF/New_York.pdf)

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

### Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



## Analytical Report

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, CA 90802-4633

Date Received: 07/31/14  
Work Order: 14-07-2120  
Preparation: N/A  
Method: EPA 1664A  
Units: mg/L

Project: Weekly NPDES Produced Water Monitoring

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NPDES Prod. Water	14-07-2120-1-A	07/30/14 19:53	Aqueous	N/A	08/02/14	08/02/14 18:00	E0802HEML1

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	34.6	1.00	0.800	1.00	

NPDES Prod. Water	14-07-2120-1-B	07/30/14 19:53	Aqueous	N/A	08/05/14	08/05/14 16:00	E0805HEML1
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Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	26.0	1.00	0.800	1.00	

NPDES Prod. Water	14-07-2120-1-C	07/30/14 19:53	Aqueous	N/A	08/05/14	08/05/14 16:00	E0805HEML1
-------------------	----------------	----------------	---------	-----	----------	----------------	------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	32.1	1.00	0.800	1.00	

NPDES Prod. Water	14-07-2120-1-D	07/30/14 19:53	Aqueous	N/A	08/05/14	08/05/14 16:00	E0805HEML1
-------------------	----------------	----------------	---------	-----	----------	----------------	------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	28.6	1.00	0.800	1.00	

Method Blank	099-05-119-3651	N/A	Aqueous	N/A	08/02/14	08/02/14 18:00	E0802HEML1
--------------	-----------------	-----	---------	-----	----------	----------------	------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

Method Blank	099-05-119-3652	N/A	Aqueous	N/A	08/05/14	08/05/14 16:00	E0805HEML1
--------------	-----------------	-----	---------	-----	----------	----------------	------------

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
HEM: Oil and Grease	ND	1.0	0.80	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Analytical Report

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, CA 90802-4633

Date Received: 07/31/14  
Work Order: 14-07-2120  
Preparation: N/A  
Method: EPA 200.8  
Units: mg/L

Project: Weekly NPDES Produced Water Monitoring

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NPDES Prod. Water	14-07-2120-1-E	07/30/14 19:53	Aqueous	ICP/MS 04	07/31/14	08/01/14 15:11	140731L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

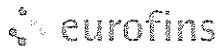
Parameter	Result	RL	MDL	DF	Qualifiers
Zinc	0.443	0.0250	0.00239	5.00	B

Method Blank	099-16-094-437	N/A	Aqueous	ICP/MS 04	07/31/14	07/31/14 15:45	140731L01
--------------	----------------	-----	---------	-----------	----------	----------------	-----------

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Zinc	0.000758	0.00500	0.000479	1.00	J

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



## Quality Control - Spike/Spike Duplicate

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, CA 90802-4633

Date Received: 07/31/14  
Work Order: 14-07-2120  
Preparation: N/A  
Method: EPA 1664A

Project: Weekly NPDES Produced Water Monitoring

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
14-07-2128-4	Sample	Aqueous	N/A	08/02/14	08/02/14 18:00	E0802HEMS1				
14-07-2128-4	Matrix Spike	Aqueous	N/A	08/02/14	08/02/14 18:00	E0802HEMS1				
14-07-2128-4	Matrix Spike Duplicate	Aqueous	N/A	08/02/14	08/02/14 18:00	E0802HEMS1				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	37.00	40.00	76.00	98	76.80	100	78-114	1	0-18	

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Spike/Spike Duplicate

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, CA 90802-4633

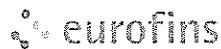
Date Received: 07/31/14  
Work Order: 14-07-2120  
Preparation: N/A  
Method: EPA 200.8

Project: Weekly NPDES Produced Water Monitoring

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
14-07-2085-2	Sample	Aqueous	ICP/MS 03	07/31/14	07/31/14 15:43	140731S01				
14-07-2085-2	Matrix Spike	Aqueous	ICP/MS 03	07/31/14	07/31/14 15:38	140731S01				
14-07-2085-2	Matrix Spike Duplicate	Aqueous	ICP/MS 03	07/31/14	07/31/14 15:42	140731S01				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Zinc	0.2335	0.1000	0.3414	108	0.3378	104	80-120	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits



## Quality Control - LCS/LCSD

Beta Offshore  
 111 W. Ocean Blvd., Suite 1240  
 Long Beach, CA 90802-4633

Date Received: 07/31/14  
 Work Order: 14-07-2120  
 Preparation: N/A  
 Method: EPA 1664A

Project: Weekly NPDES Produced Water Monitoring

Page 1 of 2

Quality Control Sample ID	Type	Matrix		Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-05-119-3651	LCS	Aqueous		N/A	08/02/14	08/02/14 18:00	E0802HEML1			
099-05-119-3651	LCSD	Aqueous		N/A	08/02/14	08/02/14 18:00	E0802HEML1			
Parameter	Spike Added	LCS	Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	38.50	96	38.80	97	78-114	1	0-18		

RPD: Relative Percent Difference. CL: Control Limits



## Glossary of Terms and Qualifiers

Work Order: 14-07-2120

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.	
Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.	
A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.	

**14-07-2120**

LTS Environmental Inc.	<b>Report to:</b>	Marina Robertson
704 Adirondack Avenue		111 W. Ocean Blvd. Suite 1240
Ventura, CA 93003		Long Beach, CA 90802
805-644-4560		

FACILITY: Platform Elyv  
 SAMPLER NAME: Bill Rollins  
 PROJECT/CHARGE #: Weekly NPDES Produced Water Monitoring  
 RESULTS REQUIRED: 48 hr RUSH  
 RESULTS BY: PHONE: \_\_\_\_\_

<b>Bill to:</b>	Marina Robertson
	111 W. Ocean Blvd. Suite 1240
	Long Beach, CA 90802
SUBMITTED TO:	Calscience
REPORT TO:	Marina Robertson
COPIES TO:	Platform Supervisor
	S.G.Lawry @ LTS
E-MAIL	X mirobertson@betaoffshore.com
	704 Adirondack, Ventura, CA 93003

PHONE: 714-895-5494  
 PHONE: 562-683-3497  
 PHONE: 562-606-5705  
 PHONE: 805-644-4560

SAMPLE NO.	SAMPLE ID	GRAB/COMP.	VOLUME	DATE/TIME COLLECTED	PRESERV.	ANALYSES REQUESTED (METHOD)
1	NPDES Prod. Water	grab amber	1 L	7-30-14 1953	HgI HgS04	Oil & Grease (EPA 1664)
2	NPDES Prod. Water	grab amber	1 L	7-30-14 1953	HgI	Oil & Grease (EPA 1664) Hold
3	NPDES Prod. Water	grab amber	1 L	7-30-14 1953	HgI	Oil & Grease (EPA 1664) Hold
4	NPDES Prod. Water	grab amber	1 L	7-30-14 1953	HgI	Oil & Grease (EPA 1664) Hold
5	NPDES Prod. Water	grab 200-500 ml		7-30-14 1953	HNO3	Zinc (EPA 200.8) Report MDLs and PQLs

**Caution to Sample Collector:** all sample bottles contain a concentrated acid preservative. Follow all procedures outlined in your NPDES manual and use proper PPE when collecting the samples.

Comments: For Samples 1-4: Analyze Sample #1 only - hold other samples until further notice.

Relinquished by: Bill Rollins Date: 7/31/14  
 Received by: John M Received by: John M Time: 122:5

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: Bill Rollins Date: 7/31/14  
 Received by: John M Received by: John M Time: 122:5

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Time: \_\_\_\_\_

**SAMPLE RECEIPT FORM**Cooler 1 of 1CLIENT: BGTA OFFSHOREDATE: 07/31/14**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)Temperature 2.3 °C - 0.3°C (CF) = 2.0 °C  Blank  Sample Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_) Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling. Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature:  Air  FilterChecked by: 676**CUSTODY SEALS INTACT:**

<input type="checkbox"/> Cooler	<input type="checkbox"/> _____	<input type="checkbox"/> No (Not Intact)	<input type="checkbox"/> Not Present	<input type="checkbox"/> N/A	Checked by: <u>076</u>
<input type="checkbox"/> Sample	<input type="checkbox"/> _____	<input type="checkbox"/> No (Not Intact)	<input checked="" type="checkbox"/> Not Present		Checked by: <u>689</u>

**SAMPLE CONDITION:**

Yes      No      N/A

Chain-Of-Custody (COC) document(s) received with samples.....   COC document(s) received complete.....  6/31/14   Collection date/time, matrix, and/or # of containers logged in based on sample labels. No analysis requested.  Not relinquished.  No date/time relinquished.Sampler's name indicated on COC.....   Sample container label(s) consistent with COC.....   Sample container(s) intact and good condition.....   Proper containers and sufficient volume for analyses requested.....   Analyses received within holding time.....   

Aqueous samples received within 15-minute holding time

 pH  Residual Chlorine  Dissolved Sulfides  Dissolved Oxygen.....   Proper preservation noted on COC or sample container.....    Unpreserved vials received for Volatiles analysisVolatile analysis container(s) free of headspace.....   Tedlar bag(s) free of condensation.....   **CONTAINER TYPE:**Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_Aqueous:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs 500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB 250PB  250PBnq  125PB  125PBznna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_ Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: 689Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 603Preservative: h: HCl n: HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: 603



Calscience

WORK ORDER #: 14-07-2 1 2 0

**SAMPLE ANOMALY FORM****SAMPLES - CONTAINERS & LABELS:**

- Sample(s) NOT RECEIVED but listed on COC \_\_\_\_\_  
 Sample(s) received but NOT LISTED on COC \_\_\_\_\_  
 Holding time expired – list sample ID(s) and test \_\_\_\_\_  
 Insufficient quantities for analysis – list test \_\_\_\_\_  
 Improper container(s) used – list test \_\_\_\_\_  
 Improper preservative used – list test \_\_\_\_\_  
 No preservative noted on COC or label – list test & notify lab \_\_\_\_\_  
 Sample labels illegible – note test/container type \_\_\_\_\_  
 Sample label(s) do not match COC – Note in comments \_\_\_\_\_  
   Sample ID \_\_\_\_\_  
   Date and/or Time Collected \_\_\_\_\_  
   Project Information \_\_\_\_\_  
   # of Container(s) \_\_\_\_\_  
   Analysis \_\_\_\_\_  
 Sample container(s) compromised – Note in comments \_\_\_\_\_  
   Water present in sample container \_\_\_\_\_  
   Broken \_\_\_\_\_  
 Sample container(s) not labeled \_\_\_\_\_  
 Air sample container(s) compromised – Note in comments \_\_\_\_\_  
   Flat \_\_\_\_\_  
   Very low in volume \_\_\_\_\_  
   Leaking (Not transferred - duplicate bag submitted) \_\_\_\_\_  
   Leaking (transferred into Calscience Tedlar® Bag\*) \_\_\_\_\_  
   Leaking (transferred into Client's Tedlar® Bag\*) \_\_\_\_\_  
 Other: \_\_\_\_\_

Comments:

**HEADSPACE – Containers with Bubble > 6mm or ¼ inch:**

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: \_\_\_\_\_

\*Transferred at Client's request.

Initial / Date: 683 07 / 31 / 14

Platform Ellen

Attachment 1

EPA DMR  
PERMIT NO. CAG280000

Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

# **WELL DISCHARGE MONITORING REPORT (Well DMR)**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

CAG280000	PERMIT NO.
001	DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

### No Discharge

Beta Platform Ellen  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

Beta Platform Ellens LOCATION: 33° 34' 56.5" AT: 118° 07' 41.6" ONG

MONITORING PERIOD						
YR	MO	DAY	YR	MO	DAY	
From:	14	06	01	To:	14	09

**DRILLING FLUIDS AND DRILL CUTTINGS (001)**

PARAMETER		Quantity or Loading			Quality or Concentration			NO. EX.		Sample Type	
		Average	Maximum	Units	Minimum	Average	Maximum	Units	Frequency Analysis		
<b>DRILLING FLUIDS VOLUME</b>		Sample Measurement	No Discharge Permit Requirement	Barrels/Well						1/well 1/day	Estimate
Well # A-21	June - July	Report									
Well # A-49	August	Sample Measurement	No Discharge Permit Requirement	Barrels/Well						1/well 1/day	Estimate
Well # A-49	September	Report									
<b>DRILLING FLUIDS VOLUME</b>		Sample Measurement	No Discharge Permit Requirement	Barrels/Well						1/well 1/day	Estimate
<b>Quarterly Total</b>		Report									
07/01/14 - 09/30/14											
<b>Annual Cumulative Volume Limit<sub>1</sub></b>		Sample Measurement	No Discharge Permit Requirement	Barrels/Year							
03/01/14 - 02/28/15		Report									
										TELEPHONE	DATE
										(562) 628-1526	
										<i>M. Blunt</i>	
CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWINGLY VIOLATING 18 U.S.C. § 1001 AND 33 U.S.C. § 1318. (PENALTIES UNDER THESE STATUTES MAY INCLUDE AN FINE UP TO \$250,000.00 AND IMPRISONMENT FOR UP TO 20 YEARS.)										Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
										Marina Robertson, HSE Manager	
										Area Code	Number
										MONTH/DAY/YEAR	
<b>TYPED OR PRINTED</b>											
Jim Guion Executive Vice President, Chief Operating Officer											

卷之三

COMMENCEMENT AND EXPLANATION OF WALL A 21 during the months of June July The well was completed on July 25 2014

The wall was completed on September 13, 2014.

The well was completed on September 3, 2014.

- \* Annual cumulative volume limit is applied to the cumulative
- \* The total annual cumulative volume limit is a combine

(Replaces EPS Form T-40 which may not be used.)

---

Pg 1 of 16

Beta Offshore  
111 W. Ocean Blvd, Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**WELL DISCHARGE MONITORING REPORT (Well DMR)**

No Discharge

Approved Form  
OMB No. 2000-0015

001  
DISCHARGE NO.

Beta Platform Ellen  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

**DRILL FLUIDS AND DRILL CUTTINGS (001)**

MONITORING PERIOD			
YR	MO	DAY	YR
From:	14 06 01	To:	14 09 30

NOTE: Read instructions before completing this form.  
**DRILL FLUIDS AND DRILL CUTTINGS (001)**

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency	Sample Type
	Average	Maximum	Units	Minimum	Average	Maximum			
<b>DRILL CUTTINGS VOLUME</b>									
Well # A-21	Sample Measurement	No Discharge	Barrels/ Month						
	Permit Requirement	Report							
Well # A-49	Sample Measurement	No Discharge	Barrels/ Month						
	Permit Requirement	Report							
Well # A-49	Sample Measurement	No Discharge	Barrels/ Month						
	Permit Requirement	Report							
Annual Cumulative Volume Limit <sub>1</sub>	Sample Measurement	0	Barrels/ Year						
	Permit Requirement	18,150 *							
03/01/14 - 02/28/15	Sample Measurement				No Discharge		# Days Sheen Observed		
DRILL FLUIDS/CUTTINGS FREE OIL	Permit Requirement				Negative Static Sheen Test/Free Oil		1/well 1/day	Visual	Visual
June - July	Sample Measurement				No Discharge		# Days Sheen Observed		
	Permit Requirement				Negative Static Sheen Test/Free Oil		1/well 1/day	Visual	Visual
August	Sample Measurement				No Discharge		# Days Sheen Observed		
	Permit Requirement				Negative Static Sheen Test/Free Oil		1/well 1/day	Visual	Visual
September	Sample Measurement				No Discharge		# Days Sheen Observed		
	Permit Requirement				Negative Static Sheen Test/Free Oil		1/well 1/day	Visual	Visual
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									
Jim Guion Executive Vice President, Chief Operating Officer							TELEPHONE DATE		
	(562) 628-1526	10	22	2014					
TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									
Drilling activities took place on Well A-21 during the months of June and July. The well was completed on July 25, 2014. Drilling activities also took place on Well A-49 during the months of August and September. The well was completed on September 13, 2014.									
1 Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015.									
* The total annual cumulative volume limit is a combined limit of drilling fluid volumes from both Platforms Ellen and Elly, as listed in the permit.									
(Replaces EPS Form T-40 which may not be used.)									
EPA Form 3320-1 (Rev 9-88) Previous editions may be used.									
FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS									
VIOLATIONS SEE 19 U.S.C. § 1001 AND 33 U.S.C. § 1318. (PENALTIES UNDER THESE STATUTES MAY INCLUDE SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)									
Marina Robertson, HSE Manager									
Signature									
Area Code Number									
MONTH/DAY/YEAR									

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

Drilling activities took place on Well A-21 during the months of June and July. The well was completed on July 25, 2014.

Drilling activities also took place on Well A-49 during the months of August and September. The well was completed on September 13, 2014.

\* The total annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015.

(Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**WELL DISCHARGE MONITORING REPORT (Well DMR)**

CAG280000  
PERMIT NO.

001  
DISCHARGE NO.

No Discharge

Approved Form  
OMB No. 2000-0015

**Beta Platform Ellen**  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

MONITORING PERIOD		DRILLING FLUIDS AND DRILL CUTTINGS (001)					
YR	MO	DAY	YR	MO	DAY		
From:	14	06	To:	14	09	30	

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Maximum	Units	Units			
<b>DRILLING FLUIDS TOXICITY WELL No. A-21, A-49</b>	Sample Measurement			N/A			% by Volume	(0-80%) Well Footage	Grab
	Permit Requirement			LC50 > 3% SPP					
<b>DRILLING FLUIDS TOXICITY<sup>1</sup> WELL No. A-21, A-49</b>	Sample Measurement			N/A			% by Volume	(80-100%) Well Footage	Grab
	Permit Requirement			LC50 > 3% SPP					
<b>BARITE MERCURY WELL No. A-21, A-49</b>	Sample Measurement			N/A			mg / kg		
	Permit Requirement			1 mg / kg					
	Sample Measurement			N/A			mg / kg		
	Permit Requirement			3 mg / kg					
<b>DRILL FLUIDS CADMIUM WELL No. A-21, A-49</b>	Sample Measurement			N/A			Stock Barite	Grab	
	Permit Requirement			Report					
<b>DRILL FLUIDS CHEMICAL INVENTORY WELL No. A-21, A-49</b>	Sample Measurement			N/A			Stock Barite	Grab	
	Permit Requirement			Report					
<b>No. DAYS DISCHARGE FOR EACH DRILLING FLUID WELL No. A-21, A-49</b>	Sample Measurement			N/A			# Days Each	Each Mud System	
	Permit Requirement			Report					
<b>PROHIBITED DISCHARGE</b>	5/17/07 1 0			No Discharge					
1. Oil-based Fluids				No Discharge					
2. Diesel Oil				No Discharge					
3. Non-aqueous based drilling fluids or cuttings				No Discharge					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Jim Guion Executive Vice President, Chief Operating Officer							(562) 628-1526	10 22 2014	
TYPED OR PRINTED									

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

Drilling activities took place on Well A-21 during the months of June and July. The well was completed on July 25, 2014. Drilling activities also took place on Well A-49 during the months of August and September. The well was completed on September 13, 2014.

N / A: There were no drilling related discharges for Wells A-21 and A-49.

I CERTIFY UNDER PENALTY OF PERjury THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 18 U.S.C. § 101 AND 33 U.S.C. & 1316 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)

  
Marina Robertson, HSE Manager

Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Area Code Number



Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

003  
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

**Beta Platform Ellen**  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

MONITORING PERIOD			
YR	MO	DAY	YR
From: 14	06	01	To: 14 09 30

**WELL TREATMENT, COMPLETION  
AND WORKOVER FLUIDS (003)**  
(commingled with produced water at Pit Elly)

NOTE: Read instructions before completing this form.

PARAMETER		Quantity or Loading				Quality or Concentration	NO. EX.	Frequency	Sample Analysis	Sample Type
		Average	Maximum	Units	Minimum					
<b>WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , FLOW</b>										
June - July	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
August	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
September	Sample Measurement	N / A	Barrels / Job							
	Permit Requirement	Report								
<b>WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS , OIL AND GREASE</b>										
June	Sample Measurement	N / A	mg/L							
	Permit Requirement		1/job							
	Sample Measurement	N / A	mg/L							
	Permit Requirement		Grab							
July	Sample Measurement	N / A	mg/L							
	Permit Requirement		1/job							
August - September	Sample Measurement	N / A	mg/L							
	Permit Requirement		Grab							
<b>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER</b>										
Jim Guion										
Executive Vice President, Chief Operating Officer										
TYPED OR PRINTED										
<b>COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)</b>										
M. Robertson										
Marina Robertson, HSE Manager										
Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT										
Area Code										
Number										
MONTH/DAY/YEAR										

CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY KNOWLEDGE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 46 U.S.C. § 101 AND 33 U.S.C. & 316 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)

*M. Robertson*  
(562) 628-1526

10 22 2014  
Marina Robertson, HSE Manager  
Signature of PRINCIPAL EXECUTIVE  
OFFICER or AUTHORIZED AGENT  
Area Code  
Number  
MONTH/DAY/YEAR

<sup>1</sup> When present, all WTCWF are commingled with production and sent to Platform Elly (refer to Pit Elly DMR).

N / A: No WTCF discharged during this DMR period.

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.  
**003**  
DISCHARGE NO.

**Beta Platform Ellen**  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

No Discharge

Approved Form  
OMB No. 2000-0015

<b>MONITORING PERIOD</b>					
YR	MO	DAY	YR	MO	
From:	14	06	01	To:	14 09 30

**WELL TREATMENT, COMPLETION  
AND WORKOVER FLUIDS (003)**  
(commingled with produced water at Pit Elly)

NOTE: Read instructions before completing this form.

PARAMETER	Quantity or Loading			Quality or Concentration	NO. EX.	Frequency	Sample Analysis	Sample Type							
	Average	Maximum	Units												
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , June	Sample Measurement Permit Requirement	0	Number of jobs												
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , Type of job: Completion July	Sample Measurement Permit Requirement	1	Number of jobs												
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , Type of job: Completion August - September	Sample Measurement Permit Requirement	1	Number of jobs												
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , STATIC SHEEN June	Sample Measurement Permit Requirement			N / A	# Times Sheen Observed	1/discharge	Grab								
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , STATIC SHEEN July - September	Sample Measurement Permit Requirement			N / A	# Times Sheen Observed	1/discharge	Grab								
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , STATIC Chemical Inventory June	Sample Measurement Permit Requirement			N / A	Report	1/month	List								
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS <sup>1</sup> , STATIC Chemical Inventory July - September	Sample Measurement Permit Requirement			N / A	Report	1/month	List								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT & ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY KNOWLEDGE OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 18 U.S.C. § 1011 AND 33 U.S.C. § 1316 PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS							DATE							
Jim Guion Executive Vice President, Chief Operating Officer	 (562) 628-1526														
TYPED OR PRINTED	Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT							MONTH/DAY/YEAR							
<b>COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)</b>															
N / A: A job was performed on Well A-21 in July and on Well A-49 in September, however no fluids were discharged. A chemical inventory is available on request.															

<sup>1</sup> When present, all WTCWF are commingled with production and sent to Platform Elly (refer to Pit Elly DMR).  
N / A: A job was performed on Well A-21 in July and on Well A-49 in September, however no fluids were discharged. A chemical inventory is available on request.  
(Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

004  
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

**Beta Platform Ellen**  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

No Discharge

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14 07 01			To: 14 09 30		

Quantity or Loading

PARAMETER	Average	Units	Quality or Concentration			NO. EX.	Frequency	Sample Analysis	Sample Type
			Minimum	Average	Maximum				
<b>DECK DRAINAGE VOLUME-FLOW RATE<sub>1</sub></b>									
July	Sample Measurement Permit Requirement	N / A Report	Mo. Avg. bbl/day						
August	Sample Measurement Permit Requirement	N / A Report	Mo. Avg. bbl/day						
September	Sample Measurement Permit Requirement	N / A Report	Mo. Avg. bbl/day						
<b>DECK DRAINAGE FREE OIL</b>									
July	Sample Measurement Permit Requirement	N / A No Sheen	# Days Observed	N / A					
August	Sample Measurement Permit Requirement	N / A No Sheen	# Days Observed	N / A					
September	Sample Measurement Permit Requirement	N / A No Sheen	# Days Observed	N / A					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									
Jim Guion Executive Vice President, Chief Operating Officer									
TYPED OR PRINTED									
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									
CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 16 U.S.C. & 1061 AND 33 C.F.R. 319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)									
<i>M. Robertson</i> Marina Robertson, HSE Manager									
Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT									
Area Code Number									
MONTH/DAY/YEAR									
TELEPHONE DATE									
(562) 628-1526 10 22 2014									

<sup>1</sup> Deck drain volumes are commingled with production and not discharged separately.

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

004  
DISCHARGE NO.

Beta Platform Ellen  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

MONITORING PERIOD			
YR	MO	DAY	YR
From: 14 07 01		To: 14 09 30	

**DECK DRAINAGE (004)**  
(commingled with produced water at Plat EIIy)

No Discharge   
Approved Form  
OMB No. 2000-0015

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
		Average	Units	Minimum	Average	Maximum			
<b>DECK DRAINAGE VOLUME-FLOW RATE<sub>1</sub></b>									
July	Sample Measurement	N / A	Mo. Avg. bbl/day						
	Permit Requirement	Report							
August	Sample Measurement	N / A	Mo. Avg. bbl/day						
	Permit Requirement	Report							
September	Sample Measurement	N / A	Mo. Avg. bbl/day						
	Permit Requirement	Report							
<b>DECK DRAINAGE FREE OIL</b>									
July	Sample Measurement	N / A	# Days Sheen Observed	N / A			1/day	Visual - Daylight	
	Permit Requirement	No Sheen	No free oil/visual sheen on the receiving water.						
August	Sample Measurement	N / A	# Days Sheen Observed	N / A			1/day	Visual - Daylight	
	Permit Requirement	No Sheen	No free oil/visual sheen on the receiving water.						
September	Sample Measurement	N / A	# Days Sheen Observed	N / A			1/day	Visual - Daylight	
	Permit Requirement	No Sheen	No free oil/visual sheen on the receiving water.						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									
Jim Guion	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 16 U.S.C. § 1061 AND 33 U.S.C. § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)			M. Guion	(562) 628-1526	10 22 2014			
	Marina Robertson, HSE Manager								
	Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT								
	Area Code								
	Number								
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									

<sup>1</sup> Deck drain volumes are commingled with production and not discharged separately.





Beta Offshore  
111 W. Ocean Blvd, Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

008  
DISCHARGE NO.

**Beta Platform Ellen**  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14 07 01			To: 14 09 30		

**FIRE CONTROL WATER (008)**  
(commingled with deck drains)

No Discharge

Approved Form  
OMB No. 2000-0015

PARAMETER	Quantity or Loading				Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units				
<b>FIRE CONTROL SYSTEM TEST WATER (008) - FOAM, FLOATING SOLIDS</b> July	Sample Measurement	N / A	# Days Observed	N / A	No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.			0	1/day	Visual - Daylight
	Permit Requirement	None								
	Sample Measurement	N / A	# Days Observed	N / A	No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.			0	1/day	Visual - Daylight
	Permit Requirement	None								
<b>FIRE CONTROL SYSTEM TEST WATER (008) CHLORINE</b> August	Sample Measurement	N / A	# Days Observed	N / A	No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.			0	1/day	Visual - Daylight
	Permit Requirement	None								
	Sample Measurement	N / A	# Days Observed	N / A	No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.			0	1/day	Visual - Daylight
	Permit Requirement	None								
<b>FIRE CONTROL SYSTEM TEST WATER (008) CHLORINE</b> September	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									
<b>FIRE CONTROL SYSTEM TEST WATER</b> Chemical Inventory July - September	Sample Measurement									
	Permit Requirement									
	Report									
NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND VALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 16 U.S.C. & 1061 AND 33 U.S.C. & 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)				DATE	TELEPHONE				
Jim Guion Executive Vice President, Chief Operating Officer						(562) 628-1526	10	22	2014	
TYPED OR PRINTED						Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Area Code	Number	MONTH/DAY/YEAR	
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)										

N / A: Fire water is commingled with deck drains and produced water at Platform Elly and is injected at Ellen. The firewater is not chlorinated or chemically treated.

(Replaces EPS Form T-40 which may not be used.)

EPA Form 3320-1 (Rev.9-88) Previous editions may be used.





Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

019  
DISCHARGE NO.

Beta Platform Ellen  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG.

**EXCESS CEMENT SLURRY (019)**

MONITORING PERIOD				
YR	MO	DAY	YR	MO
From: 14-07-01		To: 14-09-30		

No Discharge

Approved Form  
OMB No. 2000-0015

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units			
EXCESS CEMENT SLURRY (019) FLOW VOLUME <sub>1</sub>	Sample Measurement	No Discharge	Monthly Average bbl/day						
	Permit Requirement	Report							
June									
EXCESS CEMENT SLURRY (019) FLOW VOLUME <sub>1</sub>	Sample Measurement	No Discharge	Monthly Average bbl/day						
	Permit Requirement	Report							
July - September									
EXCESS CEMENT SLURRY ANNUAL CUMULATIVE VOLUME <sub>2</sub>	Sample Measurement	No Discharge	Barrels/ Year						
	Permit <sub>1</sub> Requirement	1,200 *							
03/01/14 - 02/28/15									
EXCESS CEMENT SLURRY SHEEN TEST/FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement	No Discharge	# Days Sheen Observed	No Discharge	No Discharge				
	Permit Requirement	None	No Oil	No foam or floating solids	No foam or floating solids				
June - July									
EXCESS CEMENT SLURRY SHEEN TEST/FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement	No Discharge	# Days Sheen Observed	No Discharge	No Discharge				
	Permit Requirement	None	No Oil	No foam or floating solids	No foam or floating solids				
August									
EXCESS CEMENT SLURRY SHEEN TEST/FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement	No Discharge	# Days Sheen Observed	No Discharge	No Discharge				
	Permit Requirement	None	No Oil	No foam or floating solids	No foam or floating solids				
September									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Jim Guion Executive Vice President, Chief Operating Officer							(562) 628-1526	10 22 2014	
M. Robertson, HSE Manager									
Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Area Code Number	MONTH/DAY/YEAR
TYPED OR PRINTED									

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

1 The monthly average flow rates are based on the number of days of discharge (not on the number of days in each month).

2 Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015. The total annual cumulative volume limit is a combined limit of excess cement slurry volumes from both Platforms Ellen and Elly, as listed in the permit.

(Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

## DISCHARGE MONITORING REPORT (DMR)

CAG280000

PERMIT NO.

006,007,010,011,012,013,014  
DISCHARGE NO.

Approved Form  
OMB No. 2000-0015

Beta Platform Ellen  
LOCATION: 33° 34' 56.5" LAT., 118° 07' 41.6" LONG

Blowout Preventer Fluids

Desalination Unit

Ballast/Storage Displacement

Blige Water

Boiler Blowdown

Test Fluids

Diatomaceous Earth Filter Media

NOTE: Read Instructions before completing this form.

PARAMETER		Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type		
		Average	Maximum	Units	Minimum	Average	Maximum					
(006) Blowout Preventer Fluids FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(007) Desalination Unit FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(010) Ballast/Storage Displacement Wtr FLOW RATE, FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(011) Blige Water FLOW FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(012) Boiler Blowdown FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(013) Test Fluids * FLOW RATE FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
(014) Diatomaceous Earth Filter Media FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement											
	Permit Requirement											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWINGLY VIOLATING SEE 33 U.S.C. § 1311 AND 33 U.S.C. § 1315 FINES UP TO \$10,000 AND/OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS			ml.  Marina Robertson, HSE Manager			(562) 628-1526 Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT			TELEPHONE DATE		
TYPED OR PRINTED							Area Code Number			MONTH/DAY/YEAR		
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)											nit * See Chemical Inventory, if discharged.	

		Approved Form OMB No. 2000-0015						
		Bulk Water Transfer Overflow Uncontaminated Water Water Flooding Discharges Laboratory Wastes (commingled w/ production)						
		015, 016, 017, 018, 020, 021 DISCHARGE NO.						
		YR    MO    DAY    YR    MO    DAY From: 14 07 01      To: 14 08 30						
		Muds, Cuttings, Cement at Sea Hydrotest Water						
		NOTE: Read instructions before completing this form.						
PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX. Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units		
(015) Bulk Transfer Water Overflow FOAM, FLOATING SOLIDS	Sample Measurement		No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.				0	1/month 1/discharge
Permit Requirement			No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/month
July - September			No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/discharge
(016) Uncontaminated Water, FOAM, FLOATING SOLIDS	Sample Measurement		No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.				0	1/month
Permit Requirement			No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/month
July - September			No floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/discharge
(017) Water Flooding Discharges FREE OIL, FOAM, FLOATING SOLIDS*	Sample Measurement		<b>No Discharge</b>					
Permit Requirement			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/month
July - September			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/discharge
(018) Laboratory Wastes FREE OIL FOAM, FLOATING SOLIDS (Commengled with production)	Sample Measurement		<b>No Discharge</b>					
Permit Requirement			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/month
July - September			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/discharge
(020) Muds, Cuttings, Cement at Sea Floor FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement		<b>No Discharge</b>					
Permit Requirement			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/month
July - September			No free oil or floating solids in the receiving water. No foam, in other than trace amounts, in the receiving water.					1/discharge
(021) Hydrotest Water FLOW RATE FREE OIL, FOAM, FLOATING SOLIDS	Sample Measurement	Monthly Average bbl/day	<b>No Discharge</b>		No	No		
Permit Requirement				Discharge	Discharge	ug/L		
July - September				N / A	N / A		TELEPHONE	DATE
(021) HYDROTEST WATER * CHLORINE	Sample Measurement							
Permit Requirement								
July - September								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER								
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KIDNAPING VIOLATIONS. SEE 16 U.S.C. § 1001 AND 33 U.S.C. § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)								
Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								
Marina Robertson, HSE Manager								
Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								
Marina Robertson, HSE Manager								
Area Code Number								
MONTH/DAY/YEAR								
TYPED OR PRINTED								
Jim Guijon Executive Vice President, Chief Operating Officer								
(562) 628-1526      10 22 2014								

<sup>1</sup> Uncontaminated water (excess seawater) is combined with non-contact cooling water (refer to non-contact cooling water discharge 009)

\* See Chemical Inventory, if discharged.

EPA Form 33320-1 (Rev. 9-88) Previous editions may be used

(Replaces EPS Form T-10 which may not be used.)



## Attachment 2

### Chemical Inventory

**ATTACHMENT 2**  
**PLATFORM ELLEN**  
**MISCELLANEOUS DISCHARGES**  
**CHEMICAL INVENTORY**  
**July 1, 2014 through September 30, 2014**

<u>Fluid Type</u>	<u>Volume</u> (Monthly avg bbls per day)	<u>Product Name</u>	<u>Estimated Chemical Quantity</u> (Monthly avg gal per day)	<u>Average End-of-Pipe<sup>1</sup> Concentration</u> (mg/l)
009 Non-contact Cooling Water (combined with excess seawater)				
July	36,000	Chlorine	0.76	0.5
August	36,000	Chlorine	0.76	0.5
September	36,000	Chlorine	0.91	0.6
008 Fire Control System Water	N / A	None	None	None
013 Test Fluids	No Discharge	No Discharge	None	None
017 Water Flooding Discharges	No Discharge	No Discharge	None	None
021 Hydrotest Water	No Discharge	No Discharge	None	None

<sup>1</sup> Chemical quantity for non-contact cooling water calculated with Operations daily monitoring results using a non-EPA chlorine test method (Hach DPD Color Wheel). The chlorine concentrations are the same for Elly and Ellen since Ellen's seawater pump supplies the non-contact cooling water to Elly.

N/A. Not chlorinated

# **Attachment 3**

## **Non-Contact Cooling Water Chlorine Residual Results**

**ATTACHMENT 3**  
**PLATFORM ELLEN**

**NON-CONTACT COOLING WATER CHLORINE RESULTS**  
**July 1, 2014 through September 30, 2014**

<u>Discharge</u>	<u>Measurement Frequency</u>	<u>Average Monthly Limit</u> <u>Post Dilution</u> (mg/l)	<u>Maximum Daily Limit</u> <sup>1</sup> <u>Post Dilution</u> (mg/l)	<u>Result Post Dilution</u> (mg/l)	<u>End-of-Pipe Concentration</u> (mg/l)	<u>EPA Plumes Dilution</u> (mg/l)
009 Non-contact Cooling Water Sample Date: 07/29/14	Once/Quarter	0.00583	0.0104	0.00040	0.06	EPA Method 330.5 149.1

<sup>1</sup> Limits are post-dilution as listed in the permit, Appendix C.

## Attachment 4

### Laboratory reports for NPDES monitoring

### Laboratory Quality Control Reports



## LTS ENVIRONMENTAL, INC.

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, Ca 90802

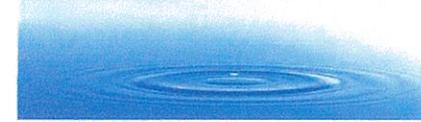
August 13, 2014

**Attn: Marina Robertson**

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	Location	Total Chlorine Residual (EPA Method 330.5) <u>End of Pipe</u>
July 29, 2014 @ 1300 hrs	Platform Elly / Ellen Non-Contact Cooling Water Outlet East Seawater Pump	0.06 mg/l
LTS Meter S/N: 12040E195572 Technician: Cole Jenkins		Method Blank < 0.05 mg/l (MDL)

**S.G. Lawry**  
*Environmental Specialist / LTS*



## LTS ENVIRONMENTAL, INC.

September 8, 2014

### Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental performed a total residual chlorine test with a known value obtained from RT Corporation. Results of this test are as follows:

Test Date	Total Residual Chlorine (EPA Method 330.5)
September 5, 2014	
LTS meter (SN 041200088375)	<b>0.57 mg/l</b>
LTS meter (SN 12040E195572)	<b>0.52 mg/l</b>
RT Corporation test sample: (Lot #QC1065-021081)	
Acceptance Limits	<b>0.481 – 0.835 mg/l</b>
Certified Value	<b>0.658 mg/l <math>\pm</math> 0.0110</b>
LTS Lead Technician: Mike Apple	Method Blank < 0.05 mg/l

**S.G. Lawry**  
*Environmental Specialist*  
*President, LTS*

Platform Eureka

Attachment 1

EPA DMR  
PERMIT NO. CAG280000

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**WELL DISCHARGE MONITORING RE**

## WELL DISCHARGE MONITORING REPORT (Well DMR)

CAG280000  
PERMIT NO.

Approved Form  
OMB No. 2000-0015

**Beta Platform Eureka**  
LOCATION: 33° 33' 49.61" LAT., 118° 06' 59.38" LONG.

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From:	14	07	01	To:	14 09 30

## **BRILLING EQUIPS AND BRILL CUTTINGS (901)**

## No Discharge

Approved Form  
OMB No. 2000-0

**NOTE:** Read Instructions before completing this form.

**COMMENT AND EXPLANATION OF ANY VIOLATION** (Reference all attachments here.)  
Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 2015.

100

1. (GERIF) UNDER PENALTY OF LAW, THAT THIS DOCUMENT AND ALL ATTACHMENTS THEREIN ARE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 18 USC § 1001 AND 39 USC § 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE VIOLATION OF THE COMMUNICATIONS ACT OF 1934, SECTION 227, WHICH IMPOSES A FINE OF UP TO \$10,000.00 AND A PRISON TERM OF UP TO ONE YEAR FOR EACH VIOLATION).

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**Jim Guion**  
Executive Vice President,  
**Chief Operating Officer**

(562) 628-1526 10 22 2014

100

COMMENT AND  
ANNUAL SURVEY

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EPA Form 3320-1 (Rev.9-88) Previous editions may be used.

(Replaces EPS Form T-40 which may not be used.)

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**WELL DISCHARGE MONITORING REPORT (Well DMR)**

CAG280000  
PERMIT NO.

001  
DISCHARGE NO.

No Discharge

Approved Form  
OMB No. 2000-0015

Beta Platform Eureka  
LOCATION: 33° 33' 49.61" LAT., 118° 06' 59.38" LONG.

**DRILLING FLUIDS AND DRILL CUTTINGS (001)**

MONITORING PERIOD		
YR	MO	DAY
Front:	14	07
To:	14	09
30		

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Maximum	Units				
DRILLING FLUIDS TOXICITY	Sample Measurement			N/A		% by Volume	(0-80%) Well Footage	Grab	
	Permit Requirement			LC50 > 3% SPP					
DRILLING FLUIDS TOXICITY WELL No.	Sample Measurement			N/A		% by Volume	(80-100%) Well Footage	Grab	
	Permit Requirement			LC50 > 3% SPP					
BARITE MERCURY	Sample Measurement			N/A		mg / kg			
	Permit Requirement			1 mg / kg					
BARITE CADMIUM	Sample Measurement			N/A		mg / kg			
	Permit Requirement			3 mg / kg					
DRILL FLUIDS CHEMICAL INVENTORY WELL No.	Sample Measurement			N/A			Each Mud System	Grab	
	Permit Requirement								
No. DAYS DISCHARGE FOR EACH DRILLING FLUID	Sample Measurement			N/A		# Days Each			
	Permit Requirement								
PROHIBITED DISCHARGE				No Discharge					
1. Oil-based Fluids									
2. Diesel Oil									
3. Non-aqueous based drilling fluids or cuttings									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND VALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1031 AND 33 U.S.C. § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS.)			TELEPHONE	DATE				
Jim Guion Executive Vice President, Chief Operating Officer				(562) 628-1526	10	22	2014		
TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)								
	N / A: No discharge of drilling fluids								

Beta Offshore  
1111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

# **DISCHARGE MONITORING REPORT (DMR)**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

CAG280000	PERMIT NO.
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Approved Form  
OMB No. 2000-0015

Beta Platform Eureka  
LOCATION: 33° 33' 49" S 118° 06' 59" E ONG

**PRODUCED WATER (002)**  
(commingled at Platform Elly)

MONITORING PERIOD				
YR	MO	DAY	YR	MO
From: 14-07-04				To: 14-07-04

TER (002)  
form Elly)

**NOTE:** Read instructions before completing this form.

PARAMETER		Quantity or Loading				Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
PRODUCED WATER FLOW Rate (commingled at Platform Ely)	Sample Measurement Permit Requirement	N / A									
July - September										1/day	Estimate
<b>QUARTERLY AVERAGE</b>											
Volume		N / A									
<b>ANNUAL CUMULATIVE Volume 1,2</b>	Sample Measurement Permit Requirement	N / A		Barrels/ Year							
03/01/14 - 02/28/15	10,950,000										
<b>PRODUCED WATER OIL &amp; GREASE</b>	Sample Measurement Permit Requirement				No Discharge	No Discharge			mg/L	1/week	Grab
					29.0	42.0					
Enforceable Limits:					N / A	N / A					
<b>PRODUCED WATER QUARTERLY CONSTITUENTS</b>					No Discharge	No Discharge			1/month	for 1 year	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	<i>M. Robertson</i> Marina Robertson, HSE Manager									TELEPHONE	DATE
Jim Giulion Executive Vice President, Chief Operating Officer	(562) 628-1526										
TYPED OR PRINTED	Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									Area Code	Number
	Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									MONTH/DAY/YEAR	

**COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)**

1 Permit volume limit applies to a combined produced water volume between platforms Eureka, Ellen and Elly as listed in the permit (refer to Bit Elly DMR).

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

**COMMENT AND EXPLANATION OF ANY VIOLATION** (Reference all attachments here.)  
1 Permit volume limit applies to a combined produced water volume between platforms Eureka, Ellen, and Elly, as listed in  
2 Annual cumulative volume limit is applied to the cumulative volumes for the period of March 2014 through February 201

EPA Form 3320-1 (Rev 9-88) Previous editions may be used

(B) References EPS Form T-40 which may not be "used")

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Bg 1 of 17

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000
PERMIT NO.

003
DISCHARGE NO.

Beta Platform Eureka  
LOCATION: 33° 33' 49.61" LAT., 118° 06' 59.38" LONG.

WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS Flow\*

MONITORING PERIOD	
YR	MO DAY
From: 14 07 01	To: 14 09 30

No Discharge

Approved Form  
OMB No. 2000-0015

**WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS (003)**

PARAMETER	Quantity or Loading			Quality or Concentration	NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units				
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS Flow*	Sample Measurement	No Discharge	Barrels / Job				
July	Permit Requirement	Report					
	Sample Measurement	No Discharge	Barrels / Job				
August	Permit Requirement	Report					
	Sample Measurement	No Discharge	Barrels / Job				
September	Permit Requirement	Report					
WELL TREATMENT, COMPLETION AND WORKOVER FLUIDS Oil and Grease	Sample Measurement	No Discharge	Barrels / Job				
July	Permit Requirement	Report					
	Sample Measurement	No Discharge	Barrels / Job				
August	Permit Requirement	Report					
	Sample Measurement	No Discharge	Barrels / Job				
September	Permit Requirement	Report					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND VALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM, OR, IF NO PERSONS DIRECTLY FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1318. PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS.						
Jim Guion Executive Vice President, Chief Operating Officer	<i>J. Guion</i>						
TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)						
	TELEPHONE DATE						
	(562) 628-1526 10 22 2014						
	Signature of PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						
	Marina Robertson, HSE Manager						
	Area Number						
	MONTH/DAY/YEAR						

\*If present, WTCWFs are commingled with produced water and injected back into the formation.

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.  
005  
DISCHARGE NO.

Beta Platform Eureka  
LOCATION: 33° 33' 49.61"LAT., 118° 06' 59.38"LONG.

No Discharge

Approved Form  
OMB No. 2000-0015

MONITORING PERIOD			SANITARY & DOMESTIC WASTE (005)		
YR	MO	DAY	YR	MO	DAY
From: 14 07 01	To: 14 09 30				

NOTE: Read Instructions before completing this form.

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Maximum	Units	Minimum	Average	Maximum			
<b>SANITARY WASTE FLOW RATE<sub>1</sub></b>	Sample Measurement	60.0		Monthly Average bbl/day				0	1/day
	Permit Requirement	Report							Estimate
	Sample Measurement	45.0		Monthly Average bbl/day				0	1/month
	Permit Requirement	Report							Estimate
	Sample Measurement	47.0		Monthly Average bbl/day				0	1/month
	Permit Requirement	Report							Estimate
<b>SANITARY WASTE FLOATING SOLIDS</b>	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
<b>September</b>	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
	Sample Measurement	0	# days observed	No floating solids in the receiving waters.				0	Visual - Daylight
	Permit Requirement	None		No floating solids in the receiving waters.					Visual - Daylight
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									
1 Sanitary includes restroom sinks, showers and toilets.									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER									
Jim Guion Executive Vice President, Chief Operating Officer									
TYPED OR PRINTED									
Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT									
Area Code Number MONTH/DAY/YEAR									
M. Robertson, HSE Manager (562) 628-1526 10 22 2014									

CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR FOLLOWING VIOLATIONS SEE 18 U.S.C. § 1011 AND 33 U.S.C. § 1319. PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$100,000 AND MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)





Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

008  
DISCHARGE NO.

Beta Platform Eureka  
LOCATION: 33° 33' 49.61"LAT., 118° 06' 59.38"LONG.

MONITORING PERIOD					
YR	MO	DAY	YR	MO	DAY
From: 14	07	01	To: 14	09	30

**FIRE CONTROL WATER (008)**  
(deluge commingled with deck drains)

No Discharge

Approved Form  
OMB No. 2000-0015

PARAMETER	Quantity or Loading			Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units			
<b>FIRE CONTROL SYSTEM TEST WATER (008) - FOAM, FLOATING SOLIDS<sub>1</sub></b>	Sample Measurement	No Discharge	# Days Observed	No Discharge	No floating solids in the receiving water.				
July	Permit Requirement	None		No Discharge	No foam, in other than trace amounts, in the receiving water.				
	Sample Measurement	No Discharge	# Days Observed	No Discharge	No floating solids in the receiving water.				
	Permit Requirement	None		No Discharge	No foam, in other than trace amounts, in the receiving water.				
<b>FIRE CONTROL SYSTEM TEST WATER (008) CHLORINE<sub>2</sub></b>	Sample Measurement	No Discharge	# Days Observed	No Discharge	No floating solids in the receiving water.				
August	Permit Requirement	None		No Discharge	No foam, in other than trace amounts, in the receiving water.				
	Sample Measurement	No Discharge	# Days Observed	No Discharge	No floating solids in the receiving water.				
	Permit Requirement	None		No Discharge	No foam, in other than trace amounts, in the receiving water.				
<b>FIRE CONTROL SYSTEM TEST WATER (008) CHLORINE<sub>2</sub></b>	Sample Measurement			Daily Maximum					
July - September	Permit Requirement			N / A	N / A				
	Sample Measurement			N / A	N / A				
	Permit Requirement			N / A	N / A				
<b>FIRE CONTROL SYSTEM TEST WATER Chemical Inventory<sub>2</sub></b>	Sample Measurement			N / A	N / A				
July - September	Permit Requirement			Report					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE	DATE	
Jim Guion Executive Vice President, Chief Operating Officer							(562) 628-1526	10 22 2014	
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)							Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT	MONTH/DAY/YEAR	
							Area Code	Number	

CERTIFY UNDER PENALTY OF PERjury THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS SEE 8 U.S.C. § 101 AND 33 U.S.C. § 319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)

*M. Rhus*  
Marina Robertson, HSE Manager

- 1 Fire water is commingled with deck drains and sent to a disposal well and is not discharged.  
2 Fire water is not chlorinated or chemically treated.

EPA Form 3320-1 (Rev.9-88) Previous editions may be used.

(Replaces EPS Form T-40 which may not be used.)

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File:DMR006.XLS

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

099  
DISCHARGE NO.

Beta Platform Eureka  
LOCATION: 33° 33' 49.61"LAT., 118° 06' 59.38"LONG.

MONITORING PERIOD				
YR	MO	DAY	YR	MO
From: 14	07	01	To: 14	09

No Discharge

Approved Form  
OMB No. 2000-0015

**NON-CONTACT COOLING WATER (009)**  
(combined with excess seawater)

NOTE: Read instructions before completing this form.

PARAMETER	Quantity or Loading				Quality or Concentration				NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units	Maximum	Units			
<b>NON-CONTACT COOLING WATER (009)</b>											
FLOW RATE	68,571	Barrels/ Day							0	1/month	Estimate
July	Permit Requirement	Report									
August	Measurement	68,571	Barrels/ Day						0	1/month	Estimate
September	Permit Requirement	Report							0	1/month	Estimate
July	Sample Measurement	68,571	Barrels/ Day								
August	Permit Requirement	Report									
September	Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.					0	1/day	Visual - Daylight
July	Permit Requirement	None		No floating solids in the receiving water. No foam in the receiving water.						1/day	Visual - Daylight
August	Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.					0	1/day	Visual - Daylight
September	Permit Requirement	None		No floating solids in the receiving water. No foam in the receiving water.						1/day	Visual - Daylight
July	Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.					0	1/day	Visual - Daylight
August	Permit Requirement	None		No floating solids in the receiving water. No foam in the receiving water.						1/day	Visual - Daylight
September	Sample Measurement	0	# Days Observed	No floating solids in the receiving water. No foam in the receiving water.					0	1/day	Visual - Daylight
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER											
Jim Guion	CERTIFY UNDER PENALTY OF LAY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 101 AND 36 U.S.C. & 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)				 Marina Robertson, HSE Manager				TELEPHONE	DATE	
TYPED OR PRINTED									(562) 628-1526	10 22	2014
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)									Signature of PRINCIPAL EXECUTIVE OFFICER or AUTHORIZED AGENT	Area Code	MONTH/DAY/YEAR

(Replaces EPS Form T-40 which may not be used.)

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

File:DMR006.XLS

Pg 12 of 17

Beta Offshore  
111 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

CAG280000  
PERMIT NO.

015, 016, 017, 018, 020, 021  
DISCHARGE NO.

Bulk Water Transfer Overflow  
Uncontaminated Water

Water Flooding Discharges  
Laboratory Wastes (commingled with deck drains)  
Muds, Cuttings, Cement at Sea

Beta Platform Eureka  
LOCATION: 33° 33' 49.61" LAT., 118° 06' 59.38" LONG.

**MONITORING PERIOD**

YR	MO	DAY	YR	MO	DAY
From: 14 07 01		To: 14 09 30			

No Discharge

Approved Form  
OMB No. 2000-0015

PARAMETER	Quantity or Loading				Quality or Concentration			NO. EX.	Frequency Analysis	Sample Type
	Average	Units	Minimum	Average	Maximum	Units				
(015) Bulk Transfer Water Overflow FOAM, FLOATING SOLIDS	Sample Measurement		No floating solids in the receiving water.					0	1/month	Visual Rec. Water
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.						1/month	Visual Rec. Water
(016) Uncontaminated Water 1 FOAM, FLOATING SOLIDS	Sample Measurement		No floating solids in the receiving water.						1/month	Visual Rec. Water
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.					0	1/month	Visual Rec. Water
(017) Water Flooding Discharges FREE OIL, FOAM, FLOATING SOLIDS*	Sample Measurement		No floating solids in the receiving water.						1/month	Visual Rec. Water
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.						1/month	Visual Rec. Water
(018) Laboratory Wastes FREE OIL, FOAM, FLOATING SOLIDS (commingled with deck drains)	Sample Measurement		No free oil or floating solids in the receiving water.						1/month	Visual Rec. Water
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.						1/month	Visual Rec. Water
(020) Muds, Cuttings, Cement at Sea Floor FREE OIL, FOAM, FLOATING SOLIDS*	Sample Measurement		No free oil or floating solids in the receiving water.						1/month	Visual Rec. Water
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.						1/month	Visual Rec. Water
(021) Hydrotest Water * FLOW RATE FREE OIL, FOAM, FLOATING SOLIDS*	Sample Measurement		No free oil or floating solids in the receiving water.						1/month	Visual Daylight
	Permit Requirement		No foam, in other than trace amounts, in the receiving water.						1/month	Estimate / Visual Daylight
(021) HYDROTEST WATER CHLORINE	Sample Measurement		No	No		ug/L			1/month	Grab
	Permit Requirement		Discharge	Discharge						
JULY - SEPTEMBER			N / A	N / A						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE		DATE	
Jim Guion Executive Vice President, Chief Operating Officer								(562) 628-1526	10 22	2014
TYPED OR PRINTED										
COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)										

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 19 U.S.C. § 1301 AND 33 U.S.C. § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS)

M. Robertson

Marina Robertson, HSE Manager

Signature of PRINCIPAL EXECUTIVE  
OFFICER or AUTHORIZED AGENT  
Area Code Number  
MONTH/DAY/YEAR

1 Uncontaminated water is combined with non-contact cooling water (refer to non-contact cooling water discharge 009)

\*See Chemical Inventory, if discharged.

Beta Offshore  
11 W. Ocean Blvd. Suite 1240  
Long Beach, Ca 90802

# **DISCHARGE MONITORING REPORT (DMR)**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

CAG280000	PERMIT NO.
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022  
DISCHARGE NO.

Beta Platform Eureka

## No Discharge

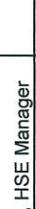
Approved Form  
OMB No. 2000-0015

MONITORING PERIOD				
YR	MO	DAY	YR	MO
			From: 14	07 01
			To:	14 09 30

Beta Platform Eureka  
LOCATION: 33° 33' 49" 61" AT 118° 06" 59" 38" ONG

THE EXECUTIVE OFFICER

CERTIFY UNDER PENALTY OF PERJURY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MAINTAIN THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 519. PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND CRIMINAL IMPRISONMENT OF BETWEEN 6 MONTHS AND 5 YEARS.

	TELEPHONE	DATE	MONTH/DAY/YEAR
	(562) 628-1526	10 22	2014
	Robertson, HSE Manager	Area Code	Number
		PRINCIPAL EXECUTIVE AUTHORIZED AGENT	

COMMISSION AND EXPLANATION OF ANY VIOLATION (Reference all attachments here.)

RA Form 2220.1 (Rev. 0-88) Previous editions may be used.

S 200

## Attachment 2

### Chemical Inventory

**ATTACHMENT 2**  
**PLATFORM EUREKA**  
**MISCELLANEOUS DISCHARGES**  
**CHEMICAL INVENTORY**  
**July 1, 2014 through September 30, 2014**

<u>Fluid Type</u>	<u>Volume</u> (Monthly avg bbls per day)	<u>Product Name</u>	<u>Estimated Chemical Quantity</u> (Monthly avg gal per day)	<u>Average End-of-Pipe<sup>1</sup> Concentration</u> (mg/l)
009 Non-contact Cooling Water (combined with excess seawater)				
July	68,571	Chlorine	1.44	0.5
August	68,571	Chlorine	1.15	0.4
September	68,571	Chlorine	1.15	0.4
008 Fire Control System Water	N / A	None	N / A	N / A
013 Test Fluids	No Discharge	No Discharge	None	None
017 Water Flooding Discharges	No Discharge	No Discharge	None	None
021 Hydrotest Water	No Discharge	No Discharge	None	None

<sup>1</sup> Chemical quantity for non-contact cooling water calculated with Operations monitoring results using a non-EPA chlorine test method (Hach DPD Color Wheel).

N / A: Not chlorinated.

# **Attachment 3**

## **Non-Contact Cooling Water Chlorine Residual Results**



## LTS ENVIRONMENTAL, INC.

September 8, 2014

### Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental performed a total residual chlorine test with a known value obtained from RT Corporation. Results of this test are as follows:

Test Date	Total Residual Chlorine (EPA Method 330.5)
September 5, 2014	
LTS meter (SN 041200088375)	0.57 mg/l
LTS meter (SN 12040E195572)	0.52 mg/l
RT Corporation test sample: (Lot #QC1065-021081)	
Acceptance Limits	0.481 – 0.835 mg/l
Certified Value	0.658 mg/l $\pm$ 0.0110
LTS Lead Technician: Mike Apple	Method Blank < 0.05 mg/l

S.G. Lawry  
*Environmental Specialist*  
*President, LTS*

**ATTACHMENT 3**

**PLATFORM EUREKA**

**NON-CONTACT COOLING WATER CHLORINE RESULTS**

**July 1, 2014 through September 30, 2014**

<u>Discharge</u>	<u>Measurement Frequency</u>	Average <u>Monthly Limit</u> <u>Post Dilution</u> (mg/l)	Maximum Daily Limit <sup>1</sup> <u>Post Dilution</u> (mg/l)	Result <u>Post Dilution</u> (mg/l)	End-of-Pipe <u>Concentration</u> (mg/l)	EPA Plumes <u>Dilution</u> (mg/l)
009 Non-contact Cooling Water Sample Date: 07/29/14	Once/Quarter	0.00585	0.0102	0.0006	0.09	EPA Method 330.5 146.1

<sup>1</sup> Limits are post-dilution as listed in the new permit, Appendix C.

## Attachment 4

### Laboratory reports for NPDES monitoring

### Laboratory Quality Control Reports



## LTS ENVIRONMENTAL, INC.

Beta Offshore  
111 W. Ocean Blvd., Suite 1240  
Long Beach, Ca 90802

August 5, 2014

**Attn: Marina Robertson**

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	Location	Total Chlorine Residual (EPA Method 330.5)
July 29, 2014 @ 1630 hrs	Platform Eureka Non-Contact Cooling Water Outlet West Seawater Pump	0.09 mg/l <u>End of Pipe</u>
LTS Meter S/N: 12040E195572 Technician: Cole Jenkins		Method Blank < 0.05 mg/l (MDL)

**S.G. Lawry**  
*Environmental Specialist / LTS*